

Abstracts

Evanescent-mode bandpass filters based on ridged waveguide sections and inductive strips

A. Kirilenko, L. Rud, V. Tkachenko and D. Kulik. "Evanescent-mode bandpass filters based on ridged waveguide sections and inductive strips." 2001 MTT-S International Microwave Symposium Digest 01.2 (2001 Vol. II [MWSYM]): 1317-1320 vol.2.

A new type of evanescent-mode filter based on ridged waveguide sections is proposed. Insertion of additional inductive strips between ridge sections allows reducing the longitudinal filter size and achieving a sufficient improvement of its stopband characteristics. The features of the developed software and results of its application for filter synthesis and optimization are discussed.

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